Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/09/2014 12:07 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/27/2014 10:46 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 57599, Expiration Date: 09/30/2014
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124785	-1	1.31	124580	1.01
Blue	F	SSC	125000	122698	-2	3.07	122458	2.48
Blue	E	FITC	20974	20199	-4	1.72	915	7.58
Blue	D	PE	25516	25295	-1	1.39	940	6.97
Blue	B	PerCP-Cy5-5	47091	46279	-2	2.61	1584	11.83
Blue	A	PE-Cy7	41727	40593	-3	4.52	891	21.45
Red	C	APC	51192	50135	-3	2.12	2936	8.21
Red	A	APC-Cy7	50012	49310	-2	2.54	1578	8.33
Violet	B	V450	15453	15050	-3	1.78	900	5.65
Violet	A	V500	60987	59915	-2	1.55	2894	3.94

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20484	1.92	556	-3	N/A	N/A	Pass
Blue	F	SSC	59966	1.38	468	5	N/A	N/A	Pass
Blue	E	FITC	112	28.32	499	0	0.0397	40	Pass
Blue	D	PE	211	20.42	489	2	0.3280	231	Pass
Blue	B	PerCP-Cy5-5	218	31.71	567	0	0.0163	0	Pass
Blue	A	PE-Cy7	80	74.13	619	-1	0.0242	17	Pass
Red	C	APC	334	23.70	562	1	0.0272	69	Pass
Red	A	APC-Cy7	136	32.12	542	2	0.0076	1915	Pass
Violet	B	V450	94	34.88	444	7	0.0966	3190	Pass
Violet	A	V500	198	18.01	475	7	0.0238	424	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/09/2014 12:07 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/27/2014 10:46 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.58	-31.29	0.93
Blue	20.46	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.26
Red	18.21	13.07 - 19.61	N/A	N/A	31.67	32.08	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 15643

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments